

## METHOD AND APPARATUS FOR OPTICAL NETWORK MAINTENANCE TOOL

### ABSTRACT

5 Embodiments of the present invention provide a tool for maintaining and analyzing portions of an optical network. In some embodiments, a tool is provided that provides a map of sections of an optical network. Additionally, details on the performance and operations of the network elements forming a section of an optical network may also be provided. Embodiments of the invention may collect and use performance and operation  
10 statistics which were collected by network elements for other purposes. An algorithm collates the collected data to generate a map of optical links of an optical network. Through use of the map, data structures providing detailed information about the network can be populated. Embodiments of the invention provide a maintenance and analysis tool which may enable optical network administrators to save time, effort and  
15 costs and provide increased customer satisfaction.